

Applicant : Takumi Nonaka
Appl. No. : 10/675029
Examiner : Richard L. Chiesa
Docket No. : 708493.4010

IN THE SPECIFICATION:

[0001] (Amended) This application is a continuation of co-pending application Serial No. 10/099,560 filed March 14, 2002, now United States Patent No. 6,702,262, which application is fully incorporated herein by reference.

IN THE CLAIMS:

1. (Original) A fuel system of a carburetor, comprising a single fuel passage leading from a constant-fuel chamber to a nozzle orifice opened into an intake channel, wherein a fuel adjusting part and a mixing chamber are provided in said fuel passage, said fuel adjusting part adjusts the effective surface area for passing the fuel with a metering needle executing linear reciprocal movement in response to the open-close operation of a throttle valve, bleed air and fuel that passed through said fuel adjusting part are introduced into said mixing chamber which has a volume sufficient to absorb and cause the relaxation of changes of the negative pressure acting on said nozzle orifice, a mixture of fuel and bleed air produced in said mixing chamber is discharged from said nozzle orifice into said intake channel.

2. (Original) The fuel system of a carburetor as described in Claim 1, wherein said intake channel has an almost uniform diameter along the entire length and said nozzle orifice is open into said intake channel downstream of said throttle valve.